

**WHAT IS CLAIMED IS:**

1. An orthopaedic reamer assembly, comprising:
  - a reamer;
  - a driver including:
    - a shaft including a distal end and a longitudinal axis; and
    - 5 a driver head connected to said distal end, said driver head pivotable about an axis generally perpendicular to said longitudinal axis, said driver head connected to said reamer.
2. The orthopaedic reamer assembly of claim 1, wherein said reamer includes a generally hemispherical shell with cutouts for clearance with said shaft.
3. The orthopaedic reamer assembly of claim 1, wherein said driver includes at least one rod which pivots said driver head.
4. The orthopaedic reamer assembly of claim 3, wherein said driver includes a knob, said at least one rod is actuated by said knob.
5. The orthopaedic reamer assembly of claim 3, wherein said driver includes a tube at least partially covering both said shaft and said at least one rod.
6. The orthopaedic reamer assembly of claim 5, wherein said tube includes at least one indicia that indicates at least one proper actuation of said orthopaedic reamer assembly.

7. The orthopaedic reamer assembly of claim 3, wherein said at least one rod includes at least one cam raceway.

8. The orthopaedic reamer assembly of claim 1, wherein said driver includes at least one longitudinal groove.

9. An orthopaedic driver, comprising:  
a shaft including a distal end and a longitudinal axis; and  
a driver head connected to said distal end, said driver head pivotable about an axis generally perpendicular to said longitudinal axis.

10. The orthopaedic reamer assembly of claim 9, wherein said driver includes at least one rod which pivot said driver head.

11. The orthopaedic reamer assembly of claim 10, wherein said driver includes a knob, said at least one rod is actuated by said knob.

12. The orthopaedic reamer assembly of claim 10, wherein said driver includes a tube at least partially covering both said shaft and said at least one rod.

13. The orthopaedic reamer assembly of claim 12, wherein said tube includes at least one indicia that indicates at least one proper actuation of said orthopaedic driver.

14. The orthopaedic reamer assembly of claim 10, wherein said at least one rod includes at least one cam raceway.

15. The orthopaedic reamer assembly of claim 9, wherein said driver includes at least one longitudinal groove.

16. An orthopaedic reamer assembly, comprising:  
a driver including a shaft having a distal end and a longitudinal axis; and  
a reamer connected to said distal end, said reamer having a rotation axis pivotable through a predefined angle relative to said longitudinal axis.

17. The orthopaedic reamer assembly of claim 16, wherein said predefined angle is subtended by said rotation axis parallel to said longitudinal axis and said rotation axis transverse to said longitudinal axis.

18. The orthopaedic reamer assembly of claim 16, wherein said rotation axis is pivotable to a position generally coincident with said longitudinal axis.

19. A method of using an orthopaedic reamer assembly, comprising the steps of:  
connecting a reamer to a driver having a longitudinal axis; and  
rotating said reamer about an axis transverse to said longitudinal axis.

20. The method of claim 19, further including the step of inserting said orthopaedic reamer assembly into an incision.

21. The method of claim 20, further including the step of rotating said reamer about said axis transverse to said longitudinal axis thereby returning said reamer to an operational position.
22. The method of claim 21, further including the step of rotating said reamer about said axis transverse to said longitudinal axis thereby returning said reamer to a retraction position.
23. The method of claim 22, further including the step withdrawing said orthopaedic reamer assembly from said incision.
24. The method of claim 19, wherein said driver includes a shaft with a distal end and a longitudinal axis, a driver head connected to said distal end, said driver head pivotable about an axis generally transverse to said longitudinal axis.
25. The method of claim 24, wherein said reamer is connected to said driver head.